INTERNATIONAL SEARCH REPORT

International application No.

| | | | | miorina dep | E0011011 110. | | |
|---|--|---|--|------------------------|---------------------------------------|--|--|
| | | | | PCT/NZ2004/ | 000184 | | |
| λ. (| CLASSIFICATION OF SUBJECT MATTE | R | | | | | |
| nt. Cl. ⁷ : | A61 K 31/407; A61P 9/10, 9/12 | | | | | | |
| ccording to I | International Patent Classification (IPC) or to | o both nat | tional classification and IPC | | | | |
| | FIELDS SEARCHED | | | | | | |
| Ainimum docui | mentation searched (classification system follower | ed by class | ification symbols) | | | | |
| | searched other than minimum documentation to | | | 1: 4 6 11 | | | |
| Jocumentation | searched other than minimum documentation to | ine extent | that such documents are include | d in the fields search | ea | | |
| | base consulted during the international search (n | | | | | | |
| | IEDLINE: Key words – Lolitrem, Lolitin, hyperpolarisation and related terms | riol, Loli | lline, Lolicine, Potassium, | ion channel, ant | agonist, | | |
| - | DOCUMENTS CONSIDERED TO BE RELEV | ANIT | · · · · · · · · · · · · · · · · · · · | | · · · · · · · · · · · · · · · · · · · | | |
| | DOCUMENTS CONSIDERED TO BE RELEV | ANI | | | | | |
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | | | | Relevant to claim No. | | |
| D.V | WO 2003/ 105868 A (MERCK & Co. INC) 24 December 2003. | | | | 1-8, 10, | | |
| P, X | See pages 5, 7, 13 and claim 1 | , | | | 12-13, 16-34 | | |
| | | | • | _ | | | |
| | Miles C. et al. Large scale isolation o Lolitrem E. J. Agric. Food Chem 19 | | | nation of | 1-5, 7, 16-29 | | |
| x | See abstract and Fig. 1 | 74, 42, p | ages 1400-1472 | | 33-34 | | |
| | | | | | | | |
| | Munday-Finch S. et al. Isolation and | ctructure | elucidation of Lolitrem A | a tremorgenic | | | |
| | mycotoxin from perennial ryegrass in | | | | | | |
| | Chem. 1995, 43, pages 1283-1288 | | | | 1-6, 16-26, | | |
| X | See abstract and Fig. 1 | | | | 33-34 | | |
| | <u> </u> | | | | | | |
| X | Further documents are listed in the conti | nuation | of Box C X See p | atent family ann | ex | | |
| Special | categories of cited documents: | | | | | | |
| | ent defining the general state of the art which is sidered to be of particular relevance | | r document published after the inten- flict with the application but cited to | | | | |
| | application or patent but published on or after the | und | lerlying the invention cument of particular relevance; the cl | | | | |
| | tional filing date | or c | cannot be considered to involve an i | | | | |
| | ent which may throw doubts on priority claim(s) | | cument of particular relevance; the cl | | | | |
| | th is cited to establish the publication date of relation or other special reason (as specified) | olve an inventive step when the docu- th documents, such combination being | | | | | |
| "O" docume | cument referring to an oral disclosure, use, exhibition "&" document member of the same patent family | | | | | | |
| | ent published prior to the international filing date or than the priority date claimed | | | | | | |
| | tual completion of the international search | | Date of mailing of the internati | onal search report | | | |
| 22 October | 2004 | | | • | 1 8 NOV 200 | | |
| Name and mailing address of the ISA/AU | | | Authorized officer | | | | |
| | N PATENT OFFICE | | | | | | |
| PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au | | | S. Chew | | | | |

Telephone No: (02) 6283 2248

E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NZ2004/000184

| | PC1/NZ2004/ | 000184 |
|---------------|---|--------------------------|
| C (Continuati | on). DOCUMENTS CONSIDERED TO BE RELEVANT | |
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| . x | Munday-Finch S. et al. Isolation of Lolicine A, Lolicine B, Lolitriol, and Lolitrem N from Lolium perenne infected with Neotyphodium lolii and evidence for the natural occurrence of 31-Epilolitrem N and 31-Epilolitrem F. J. Agric. Food Chem. 1998, 46, pages 590-598 See abstract and Fig. 1 | 1-7, 12-13, 16-34 |
| x | Munday-Finch S. et al. Isolation and structure elucidation of Lolilline, a possible biosynthetic precursor of the Lolitrem family of tremorgenic mycotoxins. J. Agric. Food Chem. 1997, 45, pages 199-204 See Figures 1 and 3 | 1-7, 10, 16-29, 33-34 |
| x | Derwent Abstract Accession No. 92-308267/38, Class B02, C02, D16, AU 9210402 A (NEW ZEALAND SEC FORESTRY) 30 July 1992. See abstract | 1-3, 7, 16-24 |
| x | Munday-Finch S. et al. Structure elucidation of Lolitrem F, a naturally occurring stereoisomer of the tremorgenic mycotoxin Lolitrem B, isolated from Lolium perenne infected with Acremonium Iolii. J. Agric. Food Chem. 1996, 44, pages 2782-2788. See abstract, Figures 1 and 4 | 1-4, 16-32, 34 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ2004/000184

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in Search Report | | | Patent Family Member | |
|---|-------------|------|----------------------|--|
| wo | 2003/105868 | NONE | | |

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX